

**WHAT IS CLAIMED IS:**

1. A roll of contaminant removal tape, comprising:

- a) a backing including a first side and a second side opposite said first side;
  - b) a layer of adhesive on said first side of said backing, wherein said layer of adhesive is arranged so as to have discontinuous contact with a surface to which said roll is applied;
- wherein said roll includes a plurality of wraps of said tape with said layer of adhesive facing outwardly away from the center of the roll of tape.

2. The roll of contaminant removal tape of claim 1, wherein said layer of adhesive includes a first side and a second side opposite said first side, wherein said first side is a textured surface, and wherein said textured surface faces outwardly away from the center of the roll of tape.

3. The roll of contaminant removal tape of claim 1, wherein said layer of adhesive includes a plurality of raised portions.

4. The roll of contaminant removal tape of claim 3, wherein said layer of adhesive includes a first side and a second side opposite said first side, wherein said first side includes said plurality of raised portions and a plurality of recessed portions.

5. The roll of contaminant removal tape of claim 4, wherein a portion of said plurality of raised portions and a portion of said plurality of recessed portions are generally parallel to the transverse direction of said tape.

6. The roll of contaminant removal tape of claim 1, wherein said layer of adhesive is discontinuous.

7. The roll of contaminant removal tape of claim 1, wherein said first side of said backing includes a plurality of raised portions and a plurality of recessed portions.

8. The roll of contaminant removal tape of claim 7, wherein said layer of adhesive is a continuous layer of adhesive coated on said plurality of raised portions and said plurality of recessed portions.

5 9. The roll of contaminant removal tape of claim 8, wherein a portion of said plurality of raised portions and a portion of said plurality of recessed portions are generally parallel to the transverse direction of said tape.

10 10. The roll of contaminant removal tape of claim 9, wherein said second side of said backing is a generally smooth surface.

11. The roll of contaminant removal tape of claim 1, wherein said roll further includes a core.

15 12. A roll of contaminant removal tape, comprising:

- a) a backing including a first side and a second side opposite said first side;
- b) a layer of adhesive on said first side of said backing, wherein said layer of adhesive includes a discontinuous contact profile;

20 wherein said roll includes a plurality of wraps of said tape with said layer of adhesive facing outwardly away from the center of the roll of tape.

25 13. The roll of contaminant removal tape of claim 12, wherein said layer of adhesive includes a first side and a second side opposite said first side, wherein said first side is a textured surface, and wherein said textured surface faces outwardly away from the center of the roll of tape.

14. The roll of contaminant removal tape of claim 12, wherein said layer of adhesive includes a plurality of raised portions.

30 15. The roll of contaminant removal tape of claim 14, wherein said layer of adhesive includes a first side and a second side opposite said first side, wherein said first side includes said plurality of raised portions and a plurality of recessed portions.

16. The roll of contaminant removal tape of claim 15, wherein a portion of said plurality of raised portions and a portion of said plurality of recessed portions are generally parallel to the transverse direction of said tape.

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17. The roll of contaminant removal tape of claim 12, wherein said layer of adhesive is discontinuous.

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18. The roll of contaminant removal tape of claim 12, wherein said first side of said backing includes a plurality of raised portions and a plurality of recessed portions.

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19. The roll of contaminant removal tape of claim 18, wherein said layer of adhesive is a continuous layer of adhesive coated on said plurality of raised portions and said plurality of recessed portions.

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20. The roll of contaminant removal tape of claim 19, wherein said a portion of said plurality of raised portions and a portion of said plurality of recessed portions are generally parallel to the transverse direction of said tape.

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21. The roll of contaminant removal tape of claim 20, wherein said second side of said backing is a generally smooth surface.

22. The roll of contaminant removal tape of claim 12, wherein said roll further includes a core.

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23. A contaminant removal tape assembly, comprising:

a) an applicator, comprising:

i) a handle having a first end and a second end opposite the first end; and

ii) a tape-receiving portion connected to said second end of said handle;

and

b) a roll of contaminant removal tape mounted on said tape-receiving portion, wherein said roll of contaminant removal tape comprises:

- i) a backing including a first side and a second side opposite said first side;
- ii) a layer of adhesive on said first side of said backing, wherein said layer of adhesive is arranged so as to have discontinuous contact with a surface to which said roll is applied;

5 wherein said roll includes a plurality of wraps of said tape with said layer of adhesive facing outwardly away from the center of the roll of tape.

24. The contaminant removal tape assembly of claim 23, wherein said layer of adhesive includes a plurality of raised portions.

10 25. The contaminant removal tape assembly of claim 24, wherein said layer of adhesive includes a first side and a second side opposite said first side, wherein said first side includes said plurality of raised portions and a plurality of recessed portions.

15 26. The contaminant removal tape assembly of claim 25, wherein said a portion of said plurality of raised portions and a portion of said plurality of recessed portions are generally parallel to the transverse direction of said tape.

20 27. The contaminant removal tape assembly of claim 23, wherein said layer of adhesive is discontinuous.

28. The contaminant removal tape assembly of claim 23, wherein said first side of said backing includes a plurality of raised portions and a plurality of recessed portions.

25 29. The contaminant removal tape assembly of claim 28, wherein said layer of adhesive is a continuous layer of adhesive coated on said plurality of raised portions and said plurality of recessed portions.

30 30. The contaminant removal tape assembly of claim 29, wherein a portion of said plurality of raised portions and a portion of said plurality of recessed portions are generally parallel to the transverse direction of said tape.

31. The contaminant removal tape assembly of claim 30, wherein said second side of said backing is a generally smooth surface.

32. The contaminant removal tape assembly of claim 23, wherein said roll further includes a core.

33. The contaminant removal tape assembly of claim 23, wherein said tape-receiving portion further comprises a cylindrical surface.

34. The contaminant removal tape assembly of claim 23, wherein said handle further comprises a first flange, wherein said tape-receiving portion further comprises a first axle, and wherein said first axle of said tape-receiving portion is attached to said first flange of said handle.

35. The contaminant removal tape assembly of claim 34, wherein said handle further a second flange, wherein said tape-receiving portion further comprises a second axle, and wherein said second axle of said tape-receiving portion is attached to said second flange of said handle.

36. The contaminant removal tape assembly of claim 23, wherein said roll of contaminant removal tape is removeably mounted on said tape-receiving portion.

37. A contaminant removal tape assembly, comprising:

a) an applicator, comprising:

- i) a handle having a first end and a second end opposite the first end; and
  - ii) a tape-receiving portion connected to said second end of said handle;
- and

b) a roll of contaminant removal tape mounted on said tape-receiving portion, wherein said roll of contaminant removal tape comprises:

- i) a backing including a first side and a second side opposite said first side;
- ii) a layer of adhesive on said first side of said backing, wherein said layer of adhesive includes a discontinuous contact profile;

wherein said roll includes a plurality of wraps of said tape with said layer of adhesive facing outwardly away from the center of the roll of tape.

38. The contaminant removal tape assembly of claim 37, wherein said layer of adhesive includes a plurality of raised portions.

39. The contaminant removal tape assembly of claim 38, wherein said layer of adhesive includes a first side and a second side opposite said first side, wherein said first side includes a plurality of raised portions and a plurality of recessed portions.

40. The contaminant removal tape assembly of claim 39, wherein said a portion of said plurality of raised portions and a portion of said plurality of recessed portions are generally parallel to the transverse direction of said tape.

41. The contaminant removal tape assembly of claim 37, wherein said first side of said backing includes a plurality of raised portions and a plurality of recessed portions.

42. The contaminant removal tape assembly of claim 41, wherein said layer of adhesive is a continuous layer of adhesive coated on said plurality of raised portions and said plurality of recessed portions.

43. The contaminant removal tape assembly of claim 42, wherein a portion of said plurality of raised portions and a portion of said plurality of recessed portions are generally parallel to the transverse direction of said tape.

44. The contaminant removal tape assembly of claim 43, wherein said second side of said backing is a generally smooth surface.

45. The contaminant removal tape assembly of claim 37, wherein said roll further includes a core.

46. The contaminant removal tape assembly of claim 37, wherein said tape-receiving portion further comprises a cylindrical surface.

47. The contaminant removal tape assembly of claim 37, wherein said handle further comprises a first flange, wherein said tape-receiving portion further comprises a first axle, and wherein said first axle of said tape-receiving portion is attached to said first flange of said handle.

48. The contaminant removal tape assembly of claim 47, wherein said handle further a second flange, wherein said tape-receiving portion further comprises a second axle, and wherein said second axle of said tape-receiving portion is attached to said second flange of said handle.

49. The contaminant removal tape assembly of claim 37, wherein said roll of contaminant removal tape is removeably mounted on said tape-receiving portion.

50. A method of removing contaminants from a surface, comprising the steps of:

a) providing a contaminant removal tape assembly, wherein the contaminant removal tape assembly comprises:

i) an applicator, wherein the applicator comprises:

a handle having a first end and a second end opposite the first end;

and

a tape-receiving portion connected to the second end of the handle;

and

ii) a roll of contaminant removal tape mounted on the tape-receiving portion, wherein the roll of contaminant removal tape comprises:

a backing including a first side and a second side opposite the first side;

a layer of adhesive on the first side of the backing, wherein the layer of adhesive is arranged so as to have discontinuous contact with a surface to which the roll is applied;

wherein the roll includes a plurality of wraps of the tape with the layer of adhesive facing outwardly away from the center of the roll of tape; and

b) rolling decontaminant removal tape assembly along a surface such that the layer of adhesive discontinuously contacts the surface and the contaminants adhere to the layer of adhesive.

51. The method of removing contaminants from a surface of claim 50, wherein the layer of adhesive of one wrap of tape of the roll adheres greater to the backing of an adjacent wrap of the roll than the layer adhesive adheres to the surface.

52. A method of removing contaminants from a surface, comprising the steps of:

a) providing a contaminant removal tape assembly, wherein the contaminant removal tape assembly comprises:

i) an applicator, wherein the applicator comprises:

a handle having a first end and a second end opposite the first end;

and

a tape-receiving portion connected to the second end of the handle;

and

ii) a roll of contaminant removal tape mounted on the tape-receiving portion, wherein the roll of contaminant removal tape comprises:

a backing including a first side and a second side opposite the first side;

a layer of adhesive on the first side of the backing, wherein said

layer of adhesive includes a discontinuous contact profile;

wherein the roll includes a plurality of wraps of the tape with the layer of adhesive facing outwardly away from the center of the roll of tape; and

b) rolling decontaminant removal tape assembly along a surface such that the layer of adhesive discontinuously contacts the surface and the contaminants adhere to the layer of adhesive.



53. The method of removing contaminants from a surface of claim 52, wherein the layer of adhesive of one wrap of tape of the roll adheres greater to the backing of an adjacent wrap of the roll than the layer adhesive adheres to the surface.